



Government of Pakistan
Ministry of Water Resources
Office of Chief Engineering Adviser/
Chairman, Federal Flood Commission

6-Attaturk Avenue, G-5/1, Islamabad
Fax No. 051-9244621 & www.ffc.gov.pk

FFC's
DAILY WEATHER & FLOOD SITUATION REPORT
MONDAY, AUGUST 07, 2023

Tarbela Reservoir has attained **1546 feet** which is just **4 feet** below its Maximum Conservation Level (MCL) of **1550 feet**. Considering the high flows in River Indus at Tarbela (**inflow: 244,000 Cusec, Annexure-I, Column-8**) it is expected that the Tarbela reservoir may reach its MCL within next couple of days. In view of the higher water level, Tarbela Dam Management are advised to remain vigilant and take utmost care in reservoir filling as per approved SOPs and Dam Safety Guidelines besides dissemination of flood early warnings, in case of any abnormal outflows, to the concerned District Administrations and local population in the downstream areas.

2. **Mangla Reservoirs** is filled upto **93%** live storage which was only **31.43%** on the corresponding period of last year. Mangla Dam Organization (MDO) including Mangla Dam Flood Mitigation Committee (FMC) are ensuring further impounding of reservoir well in accordance with the approved SOPs.

3. **River Indus** is flowing in Mild Category Flood (**Low Flood**) at **Tarbela, Chashma** and **Kotri** presently. Also **River Sutlej** is in **Low Flood** at **Islam**. Rest of the major Rivers (Kabul, Jhelum, Chenab & Ravi) are discharging normal flows. **Annexure-I** indicates major river Inflows/Outflows at specified control structures.

4. A fresh trough of Westerly Wave lies over Northern parts of Afghanistan with Seasonal Low persisting over Northern Balochistan. At present, Light moist currents from Arabian Sea are penetrating into upper parts of Pakistan upto 4000 feet.

5. For the ensuing 24 hours, FFD, Lahore has predicated **Thunderstorm Rain** of **Light to Moderate Intensity** at **isolated places** over **Islamabad, Punjab (Rawalpindi, Gujranwala, Sargodha, Lahore & D.G. Khan Divisions)** and **Khyber Pakhtunkhwa (Peshawar Division)** including upper catchments of all the major rivers of IRS.

6. Some good rains have been experienced in Punjab, Khyber Pakhtunkhwa, GB and AJ&K during the past 24 hours (**Annexure-II**).

7. All concerned organizations particularly **Tarbela** and **Mangla Dam Management** organizations are advised to remain **Alert & Vigilant**. Take prompt response on warnings issued and ensured safety of communities living in low lying areas including the public & private properties, irrigation, drainage, flood protection & river training infrastructure etc.

8. Round-the-Clock monitoring of the prevailing weather system is being exercised by the Flood Forecasting Division, Lahore and is keeping all concerned organizations fully abreast of the current situation.

(Hussain Shigri)
Senior Engineer Flood

Distribution:

1. Minister for Water Resources, Islamabad.
2. Minister for Planning, Development & Special Initiatives, Islamabad.
3. Minister for Climate Change, Islamabad.

Distribution:

4. Secretary to the Prime Minister, Prime Minister's Office, Islamabad
5. Secretary, Ministry of Water Resources, Islamabad.
6. Secretary, Planning, Development & Special Initiatives Division, Islamabad.
7. Secretary, Ministry of Climate Change, Islamabad.
8. Secretary, Ministry of National Food Security & Research, Islamabad.
9. Director General (Coordination-III), President's Secretariat (Public), Aiwan-E-Sadr, Islamabad.
10. Chairman, National Disaster Management Authority, Prime Minister's Office, Islamabad.
11. Chairman, WAPDA, WAPDA House, Lahore.
12. Chief Executive Officer, Pakistan Railways, Lahore.
13. Chairman, Indus River System Authority, Islamabad.
14. Pakistan Commissioner for Indus Waters (PCIW), Islamabad.
15. Chairman, National Highway Authority, Islamabad.
16. Chairman PCRWR, Ministry of Water Resources, Islamabad.
17. Director General, Pakistan Meteorological Department, Islamabad.
18. Member (Water), WAPDA, WAPDA House, Lahore.
19. Member (Infrastructure), Planning Commission, Islamabad.
20. Chief Secretary, Government of the Punjab, Lahore.
21. Chief Secretary, Government of Sindh, Karachi.
22. Chief Secretary, Government of Khyber Pakhtunkhwa, Peshawar.
23. Chief Secretary, Government of Balochistan, Quetta
24. Chief Secretary, Government of Gilgit-Baltistan, Gilgit.
25. Chief Secretary, Government of Azad Jammu & Kashmir, Muzaffarabad.
26. Secretary, Irrigation Department, Government of the Punjab, Lahore.
27. Secretary, Irrigation Department, Government of Sindh, Karachi
28. Secretary, Irrigation Department, Government of Khyber Pakhtunkhwa, Peshawar.
29. Secretary, Irrigation Department, Government of Balochistan, Quetta.
30. Secretary (Works), Gilgit-Baltistan-PWD, Gilgit.
31. Secretary, Irrigation & Agriculture, Government of AJ&K, Muzaffarabad.
32. Chief Engineer Merged Areas, Irrigation Department, Government of K.P, Peshawar.
33. General Manager, Tarbela Dam Project (TDP), WAPDA, Tarbela.
34. General Manager, Mangla Dam Organization (MDO), WAPDA, Mangla.
35. Director General, Provincial Disaster Management Authority, Government of the Punjab, Lahore.
36. Director General, Provincial Disaster Management Authority, Government of Sindh, Karachi.
37. Director General, Provincial Disaster Management Authority, Government of K.P, Peshawar.
38. Director General, Provincial Disaster Management Authority, Government of Balochistan, Quetta.
39. Director General, Gilgit Baltistan, Disaster Management Authority, Gilgit.
40. Director General, State Disaster Management Authority, Govt. of AJ&K, Muzaffarabad.
41. Director General, Irrigation & Small Dams Organization, Govt. of AJ&K, Muzaffarabad.
42. Chief Commissioner, ICT, Islamabad.
43. Chairman, Capital Development Authority, Islamabad.
44. Commissioner, Rawalpindi.
45. Managing Director, WASA, Rawalpindi.
46. Principal Information Officer, Press Information Department, Islamabad.
47. Director (News), Associated Press of Pakistan, Islamabad.
48. Director (News), Pakistan Television, Islamabad.
49. Flood Cell, General Staff Branch, Engineers Directorate, GHQ, Rawalpindi.
50. Chief Executive Officer, National Disaster Risk Management Fund (NDRMF), Islamabad.

U.O. No. FC-I (31)/2023, dated 07-08-2023

Rivers and Reservoir Positions August 07, 2023 at 0600 Hours

A. River Flow Situation:

(Discharge in Cusecs)

Structures	Designed Capacity	Historic Peak Floods experienced to-date		Last Year Flow		Today Actual Flow with Flood Classification			Comparative Danger (VHF) Classification
		Discharge	Date	Inflow	Outflow	Inflow	Outflow	Flood Classification*	
1	2	3	4	5	6	7	8	9	10
River Indus									
• Tarbela Reservoir	1,500,000	604,000	30-7-2010	166,000	158,000	244,000	266,000	Low Flood (R)	650,000
• Kalabagh	950,000	950,000	14-7-1942	104,000	97,000	223,000	215,000	Normal	650,000
• Chashma Reservoir	950,000	1,036,673	01-8-2010	169,000	152,000	271,000	256,000	Low Flood (R)	650,000
• Taunsa	1,000,000	959,991	02-8-2010	126,000	124,000	240,000	224,000	Normal	650,000
• Guddu	1,200,000	1,199,672	15-8-1976	409,000	387,000	223,000	191,000	Normal	700,000
• Sukkur	900,000	1,161,000	16-8-1976	385,000	350,000	212,000	158,000	Normal	700,000
• Kotri	875,000	981,000	14-8-1956	193,000	184,000	242,000	203,000	Low Flood (R)	650,000
River Kabul									
• Warsak	540,000				24,000		31,000	Normal	200,000
• Nowshera					44,000		50,000	Normal	200,000
River Swat									
• Chakdara Bridge					15,000		13,000	Normal	150,000
• Munda(H. Works)					9,000		14,000	Normal	150,000
• Charsadda Road	150,000				11,000		14,000	Normal	100,000
River Jhelum									
• Mangla Reservoir	1,060,000	1,090,000	10-9-1992	38,000	11,000	45,000	10,000	Normal	225,000
• Rasul	850,000	952,170	10-9-1992	7,000	NIL	3,000	NIL	Normal	225,000
River Chenab									
• Marala	1,100,000	1,100,000	26-8-1957	59,000	33,000	82,000	54,000	Normal	400,000
• Khanki	1,100,000	1,086,460	27-8-1959	42,000	36,000	56,000	49,000	Normal	400,000
• Qadirabad	900,000	948,530	11-9-1992	46,000	27,000	42,000	32,000	Normal	400,000
• Trimmu	875,000	943,225	08-7-1959	54,000	48,000	64,000	55,000	Normal	450,000
• Panjnad	865,000	802,516	17-8-1973	77,000	66,000	141,000	126,000	Normal	450,000
River Ravi									
• Jassar	275,000	680,000	05-10-1955		17,000		22,000	Normal	150,000
• Shahdara	250,000	680,000	22-9-1988		27,000		25,000	Normal	135,000
• Balloki	380,000	336,200	28-9-1988	41,000	22,000	48,000	31,000	Normal	135,000
• Sidhmai	150,000	330,210	02-10-1988	25,000	15,000	32,000	15,000	Normal	90,000
River Sutlej									
• G.S. Wala						Gauge 18.80	53,000	Normal	
• Suleimanki	325,000	598,872	08-10-1955	12,000	7,000	59,000	47,000	Normal	175,000
• Islam	332,000	492,581	11-10-1955	12,000	11,000	63,000	61,000	Low Flood (F)	175,000

B. Reservoir Storage Position:

Reservoir	Maximum Conservation Level (Ft-AMSL)	Minimum Operating Level (Ft-AMSL)	Water Level (Feet-AMSL)			Live Storage (MAF)			Present Storage (%age of total storage)
			2021	2022	2023	Maximum	Last Year	Today	
1	2	3	4	5	6	7	8	9	10
Tarbela	1550.00	1402.00	1536.00	1540.31	1546.00	5.809	5.272	5.579	96.04 %
Chashma	649.00	638.15	644.60	648.50	643.00	0.278	0.253	0.078	28.06 %
Mangla	1242.00	1050.00	1189.65	1162.50	1235.40	7.356	2.312	6.836	92.93 %
Total Live Storage						13.443	7.837	12.493	92.93 %

C. Skardu Temperature:

Skardu Temperature	Last year 2022	Today 2023	Difference (+ / -)
Maximum	28.7 °C	30.3 °C	1.6 °C
Minimum	15.6 °C	17.3 °C	1.7 °C

NOTES: "Mild" Categories

Low Flood:	River flowing within deep (winter) channel(s) but about to spill threatening only river islands/belas
Medium Flood:	River partly inundating river islands/belas
High Flood:	River almost fully submerging islands/belas and flowing upto high banks/bunds but without encroachment on the freeboard

"Danger" Categories

Very High Flood (VHF):	River flowing between high banks/bunds with encroachment on the freeboard
Exceptionally High Flood (EHF):	Imminent danger of overtopping/breaching, or the high bank areas have become inundated

* Flood Classification: (applied on downstream discharge/Outflow)

* (R) Signifies "Rising" Flood, (F) Signifies "Falling" Flood, (S) Signifies "Stable" Flow Condition & NR stands for "Not Received"

* Flood Classification for today is w.r.t. yesterday's Flood Classification at 0600 hours.

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Significant Rainfall Events during the Past 24 Hours

Sr. No.	City/Observatory	Rainfall (mm)
A	Punjab	
1.	Hafizabad	43
2.	Narowal	41
3.	Sialkot	37
4.	Islamabad	32
5.	Kallar	25
6.	Mangla & Jhelum	18 each
7.	Murree	16
8.	Attock	15
9.	Barnala	12
10.	Gujrat & Daulatnagar	11 each
11.	Chakwal & Haraman	10 each
12.	Shakar Garh	07
13.	Mandibahauddin & Gujranwala	06 each
B	Khyber Pakhtunkhwa	
14.	Malam Jabba	46
15.	Phulra	42
16.	Kakul	32
17.	Pashat-Bajaur	30
18.	Kamra	24
19.	Dir	21
20.	Saidu Sharif, Oghi & Takht Bhai	16 each
21.	Tarbela, & Mardan	15 each
22.	Babusar	14
23.	Balakot	13
24.	Besham	08
25.	Khaar-Bajaur	06
C	Gilgit-Baltistan	
26.	Astore & Bagrote	12 each
27.	Gupis	06
D	AJ&K	
28.	Chattar Kallas	11
29.	Haraman	10
30.	Kotli	09
31.	Garhi Dopatta	08
32.	Rawalakot	07

Source: FFD, Lahore (042-99200139)